

AUTISM is a Neuroimmune Disorder induced by

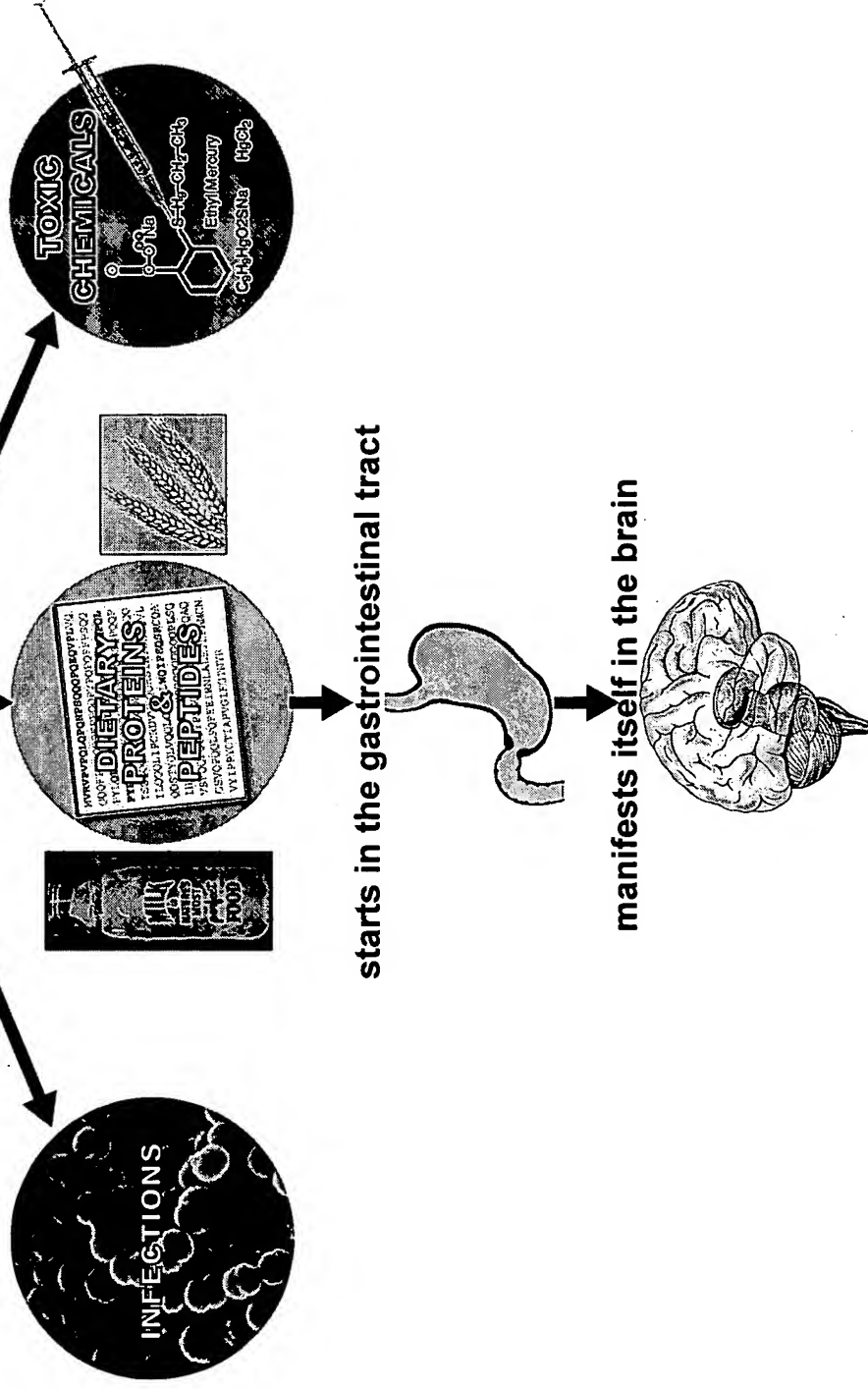


FIGURE 1

Families of Endogenous Opioids

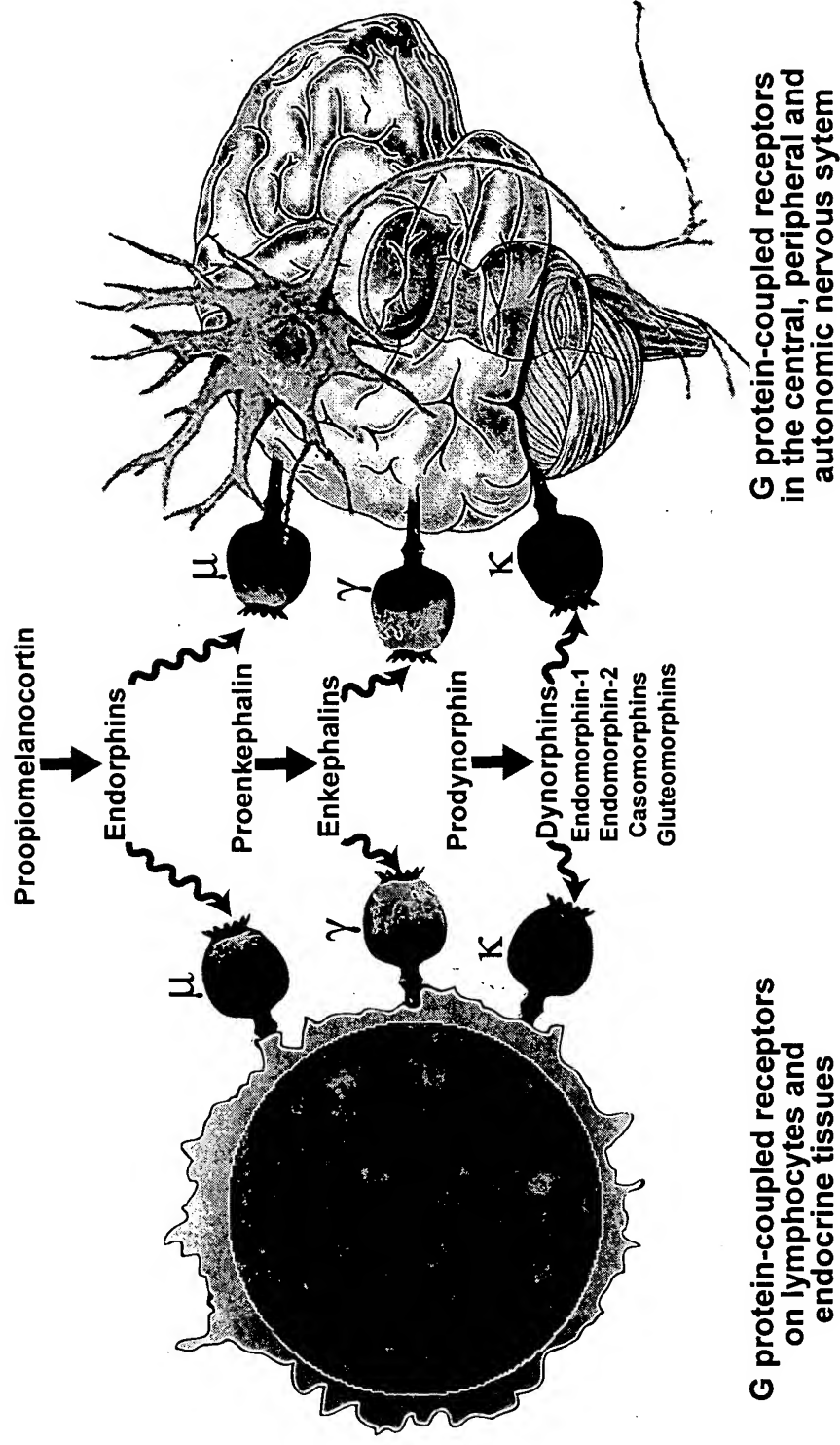


FIGURE 2

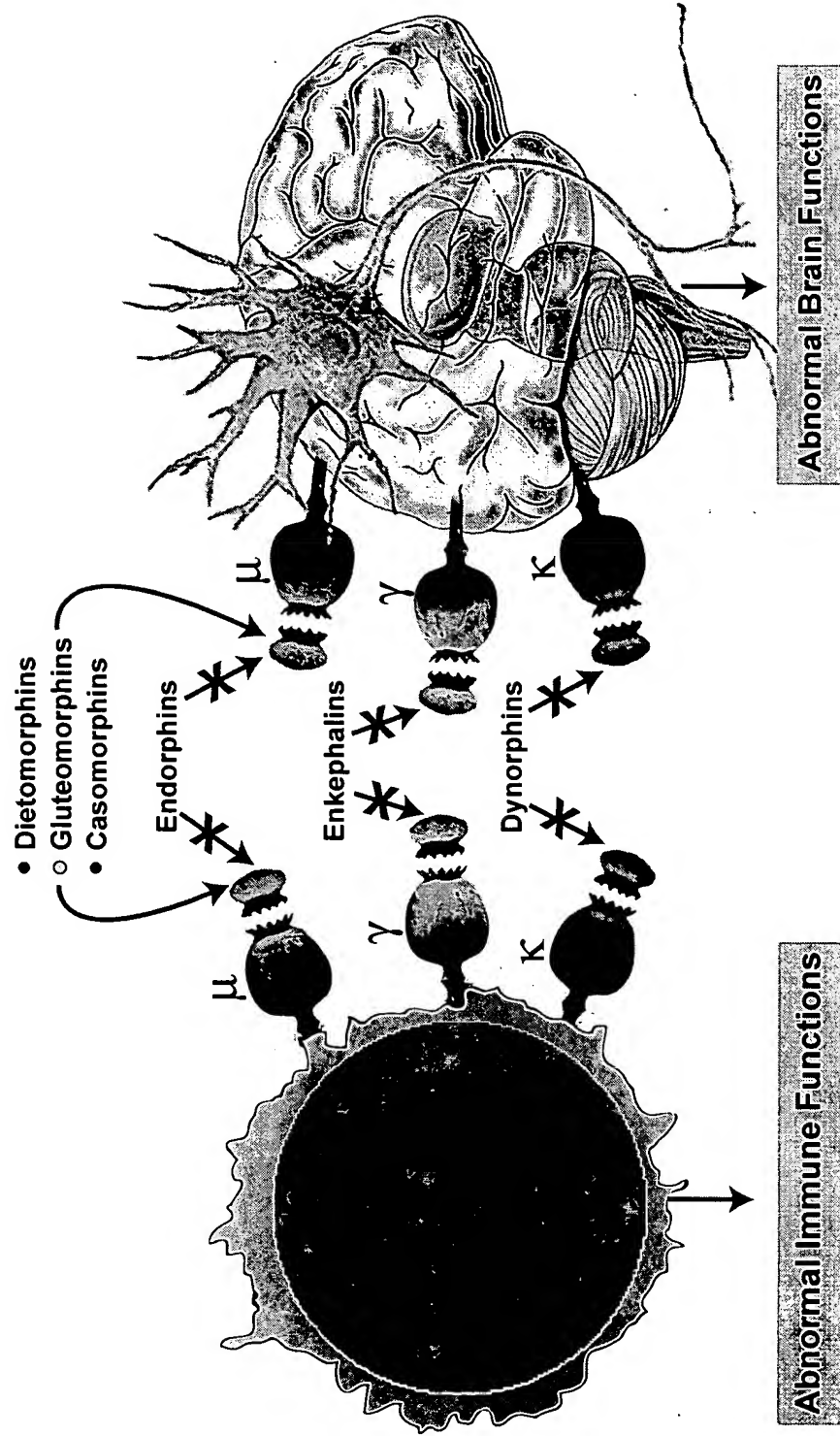


FIGURE 3

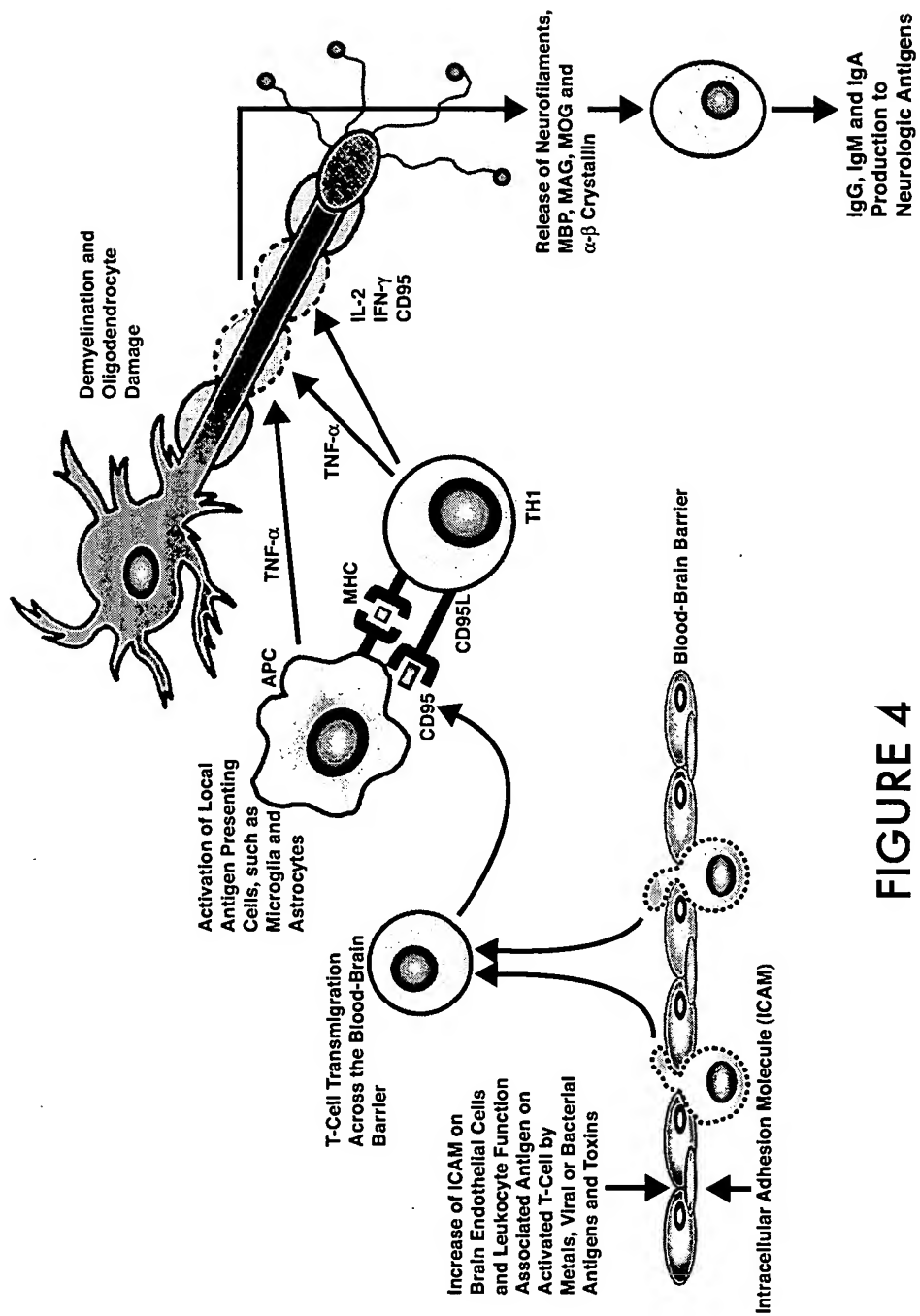


FIGURE 4

Dipeptidyl Peptidase IV during Intestinal Differentiation

10 20 30 40 50 60 70 80 90 100
 MKTPNRLGLGAAALVTLITVYVLLNKGTDADAADSRKTYITLDLNTYRLKLYSLRWISDHEYLKQENNILVFNABYGNSSVFLNENSTFDFEFGH
 MKTPNRLGLGAAALVTLITVYVLLNKGTDADAADSRKTYITLDLNTYRLKLYSLRWISDHEYLKQENNILVFNABYGNSSVFLNENSTFDFEFGH
 MKTPNRLGLGAAALVTLITVYVLLNKGTDADAADSRKTYITLDLNTYRLKLYSLRWISDHEYLKQENNILVFNABYGNSSVFLNENSTFDFEFGH
 110 120 130 140 150 160 170 180 190 200
 SINDY-SISPDGQFILLEHYVQWRHSYASDIYDLNKRQLTHERIPNNTQNTVSPVGHKLAYVNNDIYVKIEPHLPYXRIITWZGKEDIYHGOIT
 SINDY-SVSPDRFLVLEINIVKQWRHSYASDIYDLNKRQLTHERIPNNTQNTVSPVGHKLAYVNNDIYVKIEPHLPYXRIITWZGKEDIYHGOIT
 SINDY-SVSPDRFLVLEINIVKQWRHSYASDIYDLNKRQLTHERIPNNTQNTVSPVGHKLAYVNNDIYVKIEPHLPYXRIITWZGKEDIYHGOIT
 210 220 230 240 250 260 270 280 290 300
 DWYIEHEVTSALNWSNPGTFLAYAQFNDZEVPLINYSFYSDKSLQXPXKVRYPKAGAVNPTVKFFVNTDLSSTVTHATSIIQITAPASMLIGDHY
 DWYIEHEVTSALNWSNPGTFLAYAQFNDZEVPLINYSFYSDKSLQXPXKVRYPKAGAVNPTVKFFVNTDLSSTVTHATSIIQITAPASMLIGDHY
 DWYIEHEVTSALNWSNPGTFLAYAQFNDZEVPLINYSFYSDKSLQXPXKVRYPKAGAVNPTVKFFVNTDLSSTVTHATSIIQITAPASMLIGDHY
 310 320 330 340 350 360 370 380 390 400
 LCDVTHATQERISLQNLARIQNYSDHICDYDESSGRNCLVARGHIENSITGWGRTAPSEPHFTLQGN8FYKIL3MEGZRHICYPQIDKED---CTF
 LCDVTHATQERISLQNLARIQNYSDHICDYDESSGRNCLVARGHIENSITGWGRTAPSEPHFTLQGN8FYKIL3MEGZRHICYPQIDKED---CTF
 LCDVTHATQERISLQNLARIQNYSDHICDYDESSGRNCLVARGHIENSITGWGRTAPSEPHFTLQGN8FYKIL3MEGZRHICYPQIDKED---CTF
 410 420 430 440 450 460 470 480 490 500
 ITKGTNHSVIGIEALTSIDLXYISNEYKGMPPGGRNLYKIQLSDITKVTCLSCENLPERCQIYSVSFSKEAKYQLRCSGPGGLPLYTLSSVNDKGLRYLSD
 ITKGTNHSVIGIEALTSIDLXYISNEYKGMPPGGRNLYKIQLSDITKVTCLSCENLPERCQIYSVSFSKEAKYQLRCSGPGGLPLYTLSSVNDKGLRYLSD
 ITKGTNHSVIGIEALTSIDLXYISNEYKGMPPGGRNLYKIQLSDITKVTCLSCENLPERCQIYSVSFSKEAKYQLRCSGPGGLPLYTLSSVNDKGLRYLSD
 510 520 530 540 550 560 570 580 590 600
 NSALDKMLQNVQMPKKLDFIILNETHFWYQMIILPPHFDKSKKYPALLDVYAGPCSQKADIIVFRLNWAITYLASTENIIVASFDGRGSGYQGDKIMHAINR
 NSALDKMLQNVQMPKKLDFIILNETHFWYQMIILPPHFDKSKKYPALLDVYAGPCSQKADIIVFRLNWAITYLASTENIIVASFDGRGSGYQGDKIMHAINR
 NSALDKMLQNVQMPKKLDFIILNETHFWYQMIILPPHFDKSKKYPALLDVYAGPCSQKADIIVFRLNWAITYLASTENIIVASFDGRGSGYQGDKIMHAINR
 610 620 630 640 650 660 670 680 690 700
 RLGTFFVEDQIEAARQFSKMGTVDNKRIATNGHSYGGIVTSMVLGSGGVFKCGIAVAPVVRNWEYYESVYTERINGLPTPEDNLDHYRNSTVMSRAENFK
 RLGTFFVEDQIEAARQFSKMGTVDNKRIATNGHSYGGIVTSMVLGSGGVFKCGIAVAPVVRNWEYYESVYTERINGLPTPEDNLDHYRNSTVMSRAENFK
 RLGTFFVEDQIEAARQFSKMGTVDNKRIATNGHSYGGIVTSMVLGSGGVFKCGIAVAPVVRNWEYYESVYTERINGLPTPEDNLDHYRNSTVMSRAENFK
 710 720 730 740 750 760 770
 QVEYLLINGTADDNVHFQCSAQISKALVDGVDFQAMNYTDEDHGIASSTAHQHIYTHMSHF1KQCFSLP
 QVEYLLINGTADDNVHFQCSAQISKALVDGVDFQAMNYTDEDHGIASSTAHQHIYTHMSHF1KQCFSLP
 QVEYLLINGTADDNVHFQCSAQISKALVDGVDFQAMNYTDEDHGIASSTAHQHIYTHMSHF1KQCFSLP

FIGURE 5

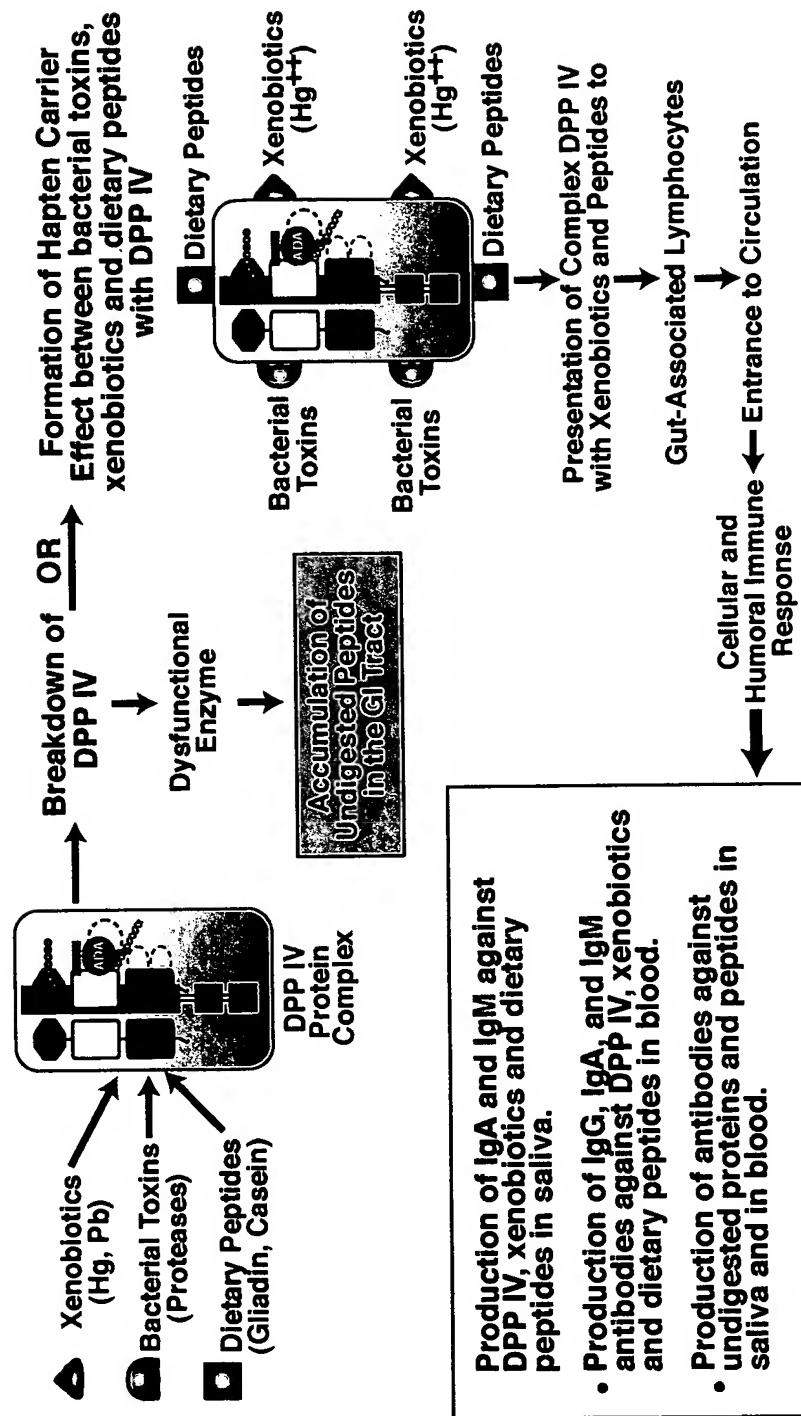


FIGURE 6

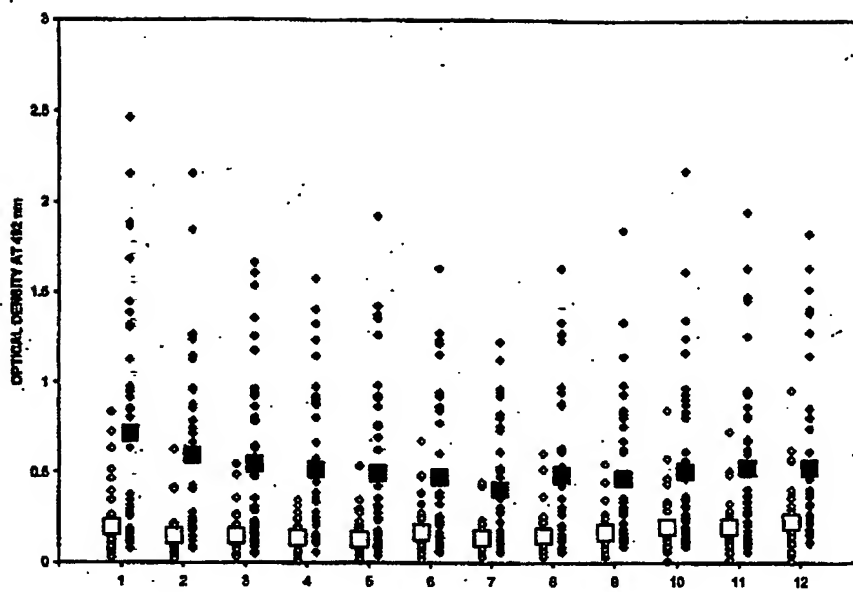


FIGURE 7

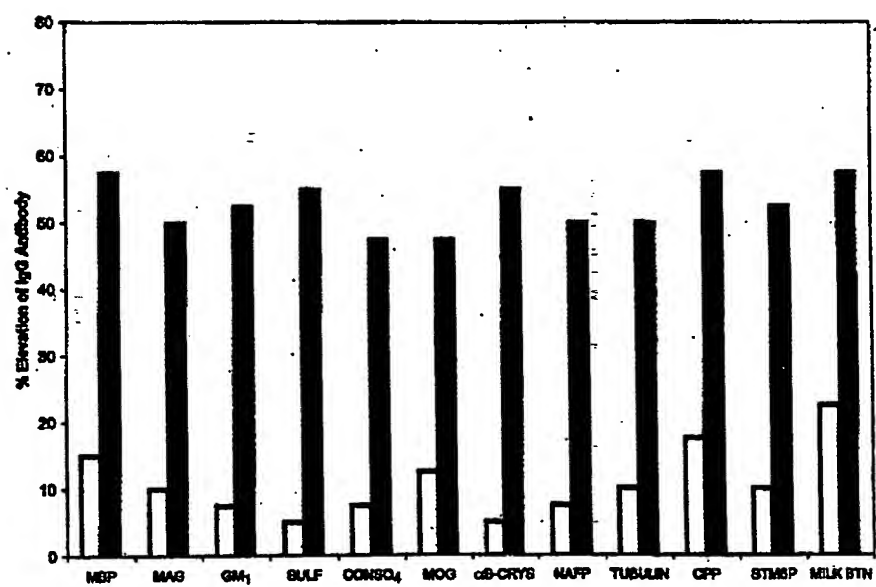


FIGURE 8

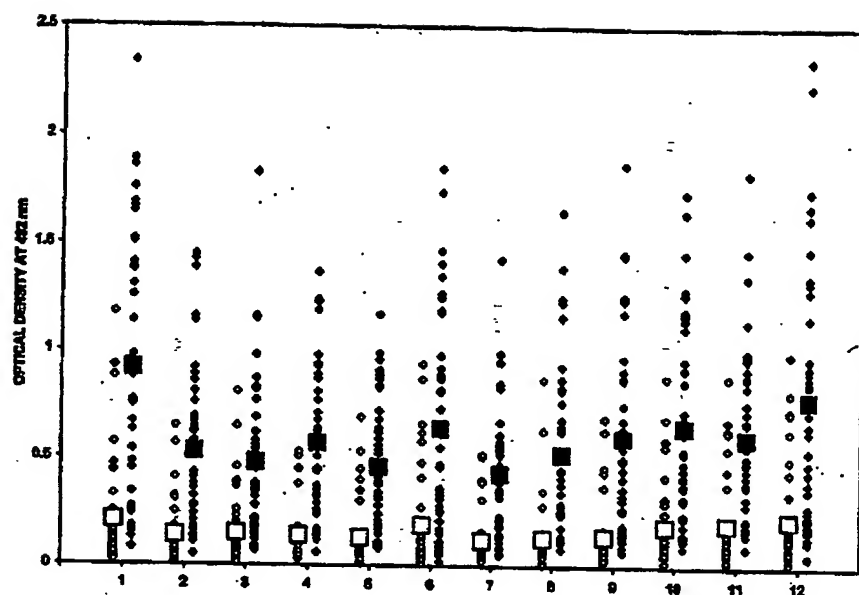


FIGURE 9

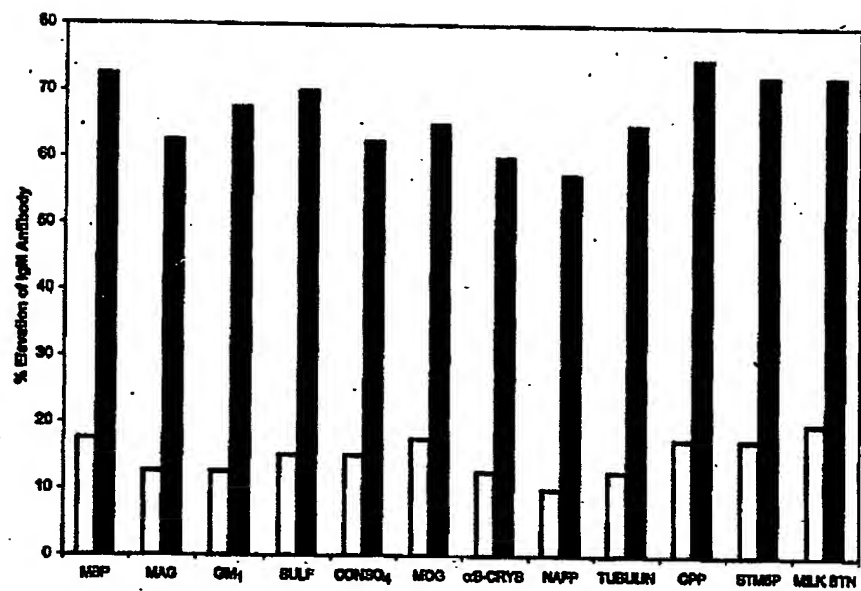


FIGURE 10

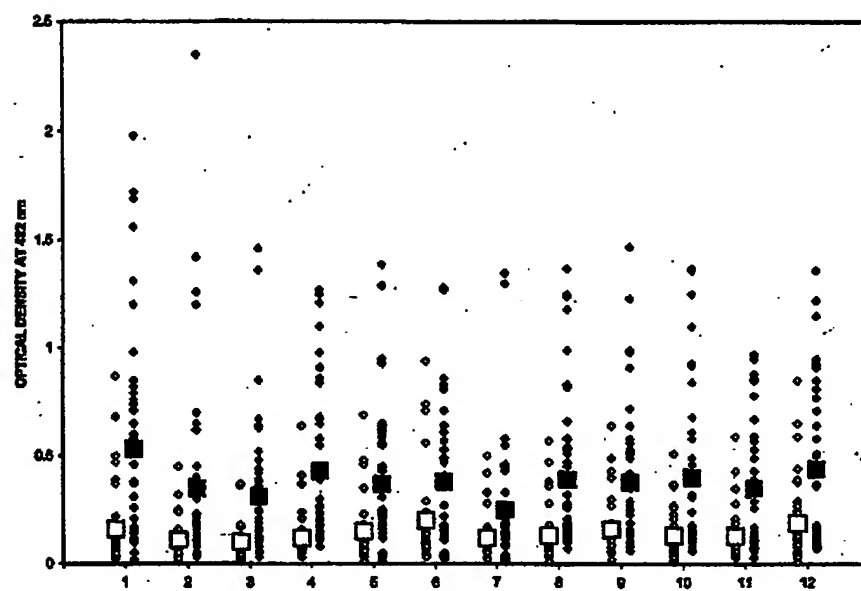


FIGURE 11

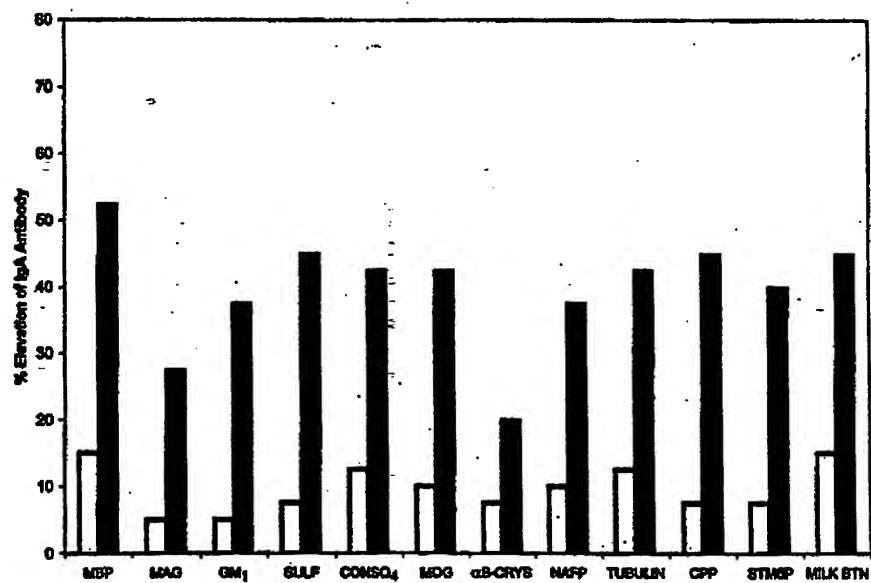


FIGURE 12

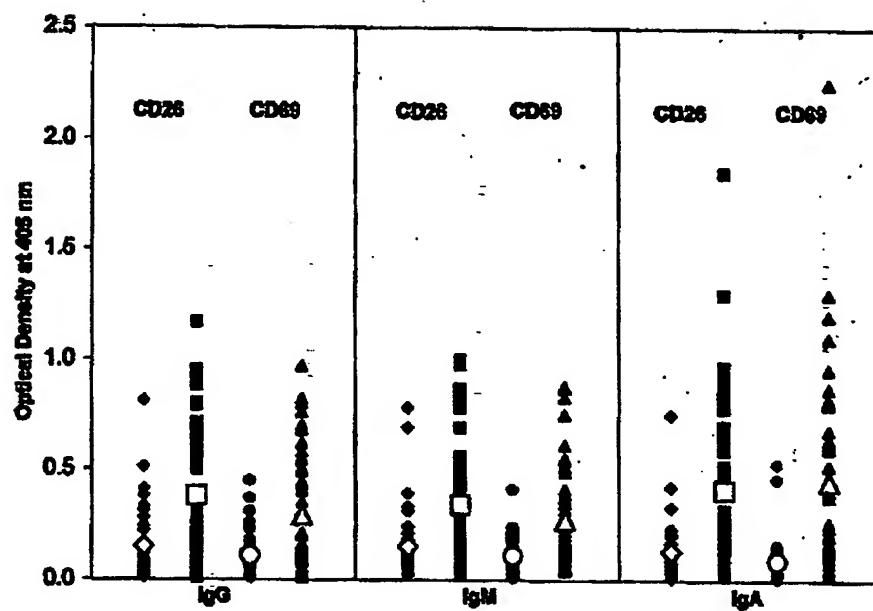


FIGURE 13

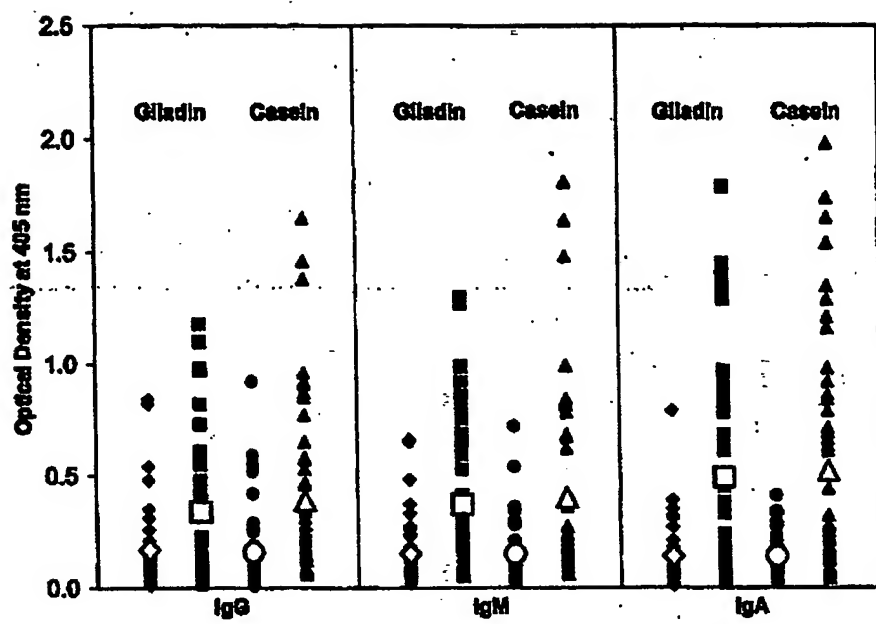


FIGURE 14

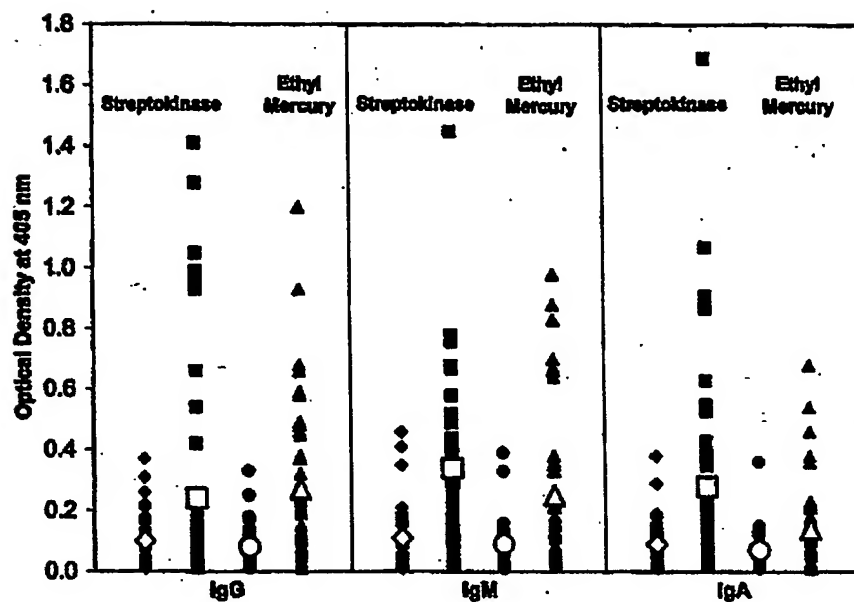


FIGURE 15

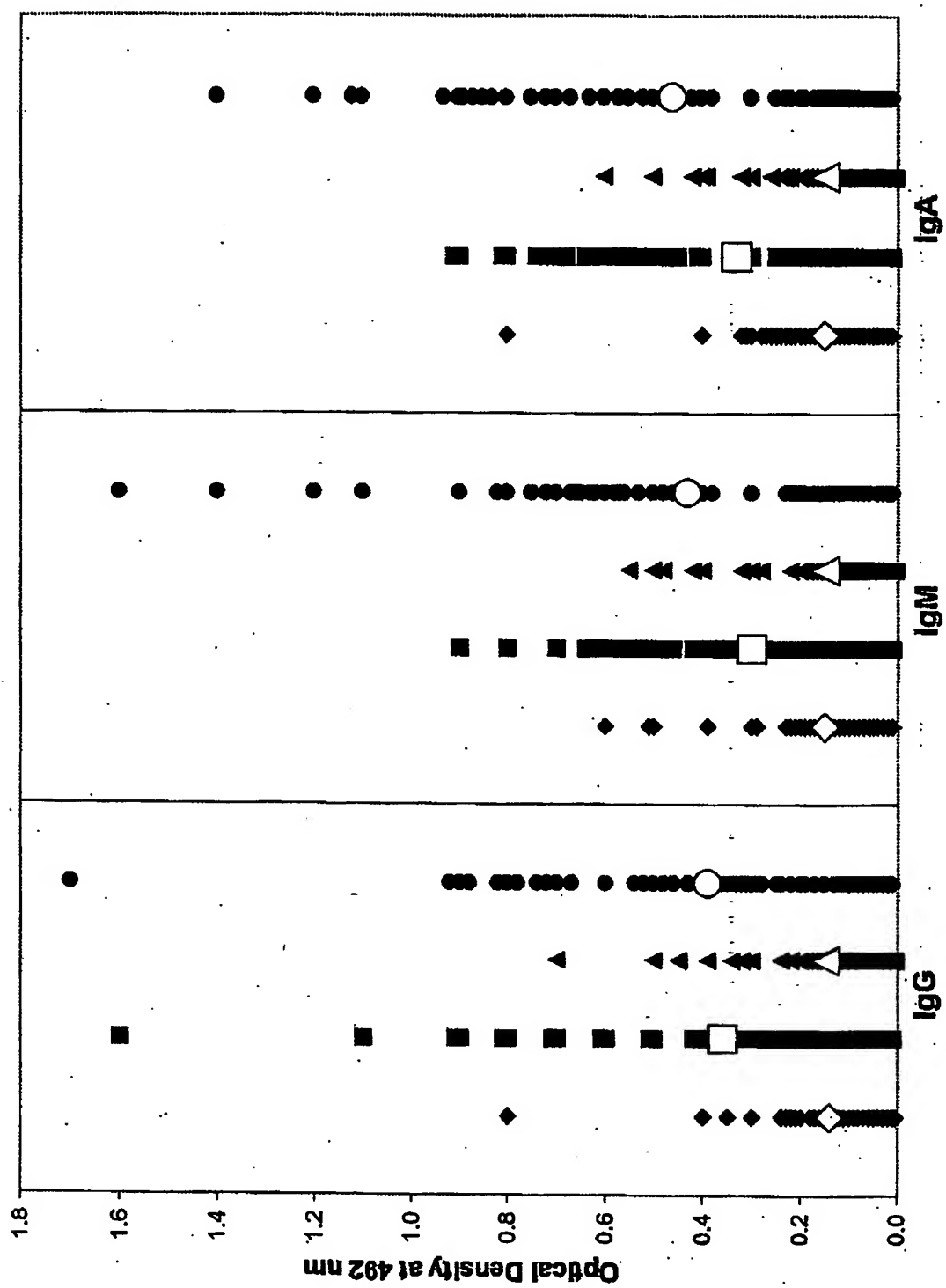


FIGURE 16

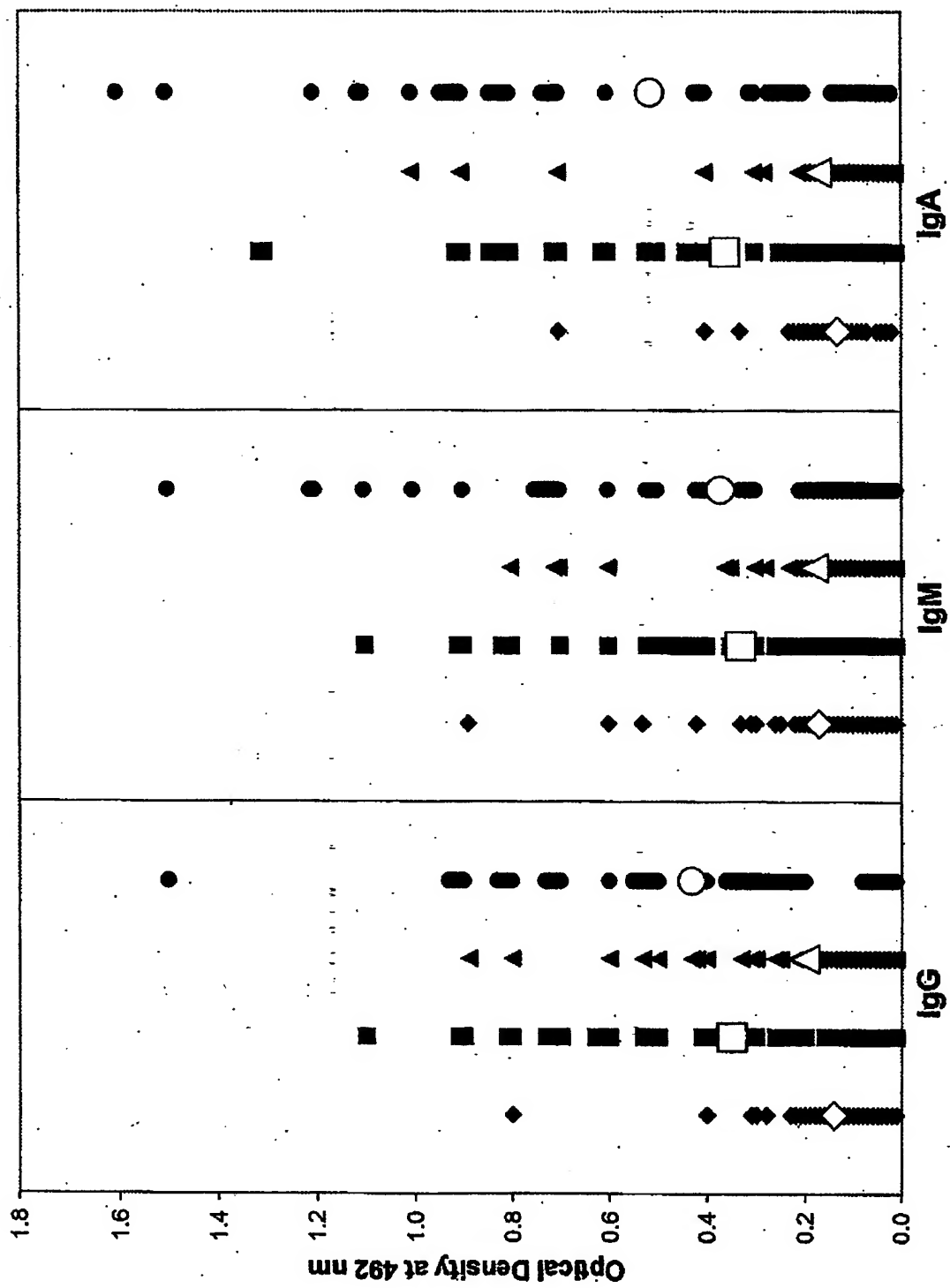


FIGURE 17

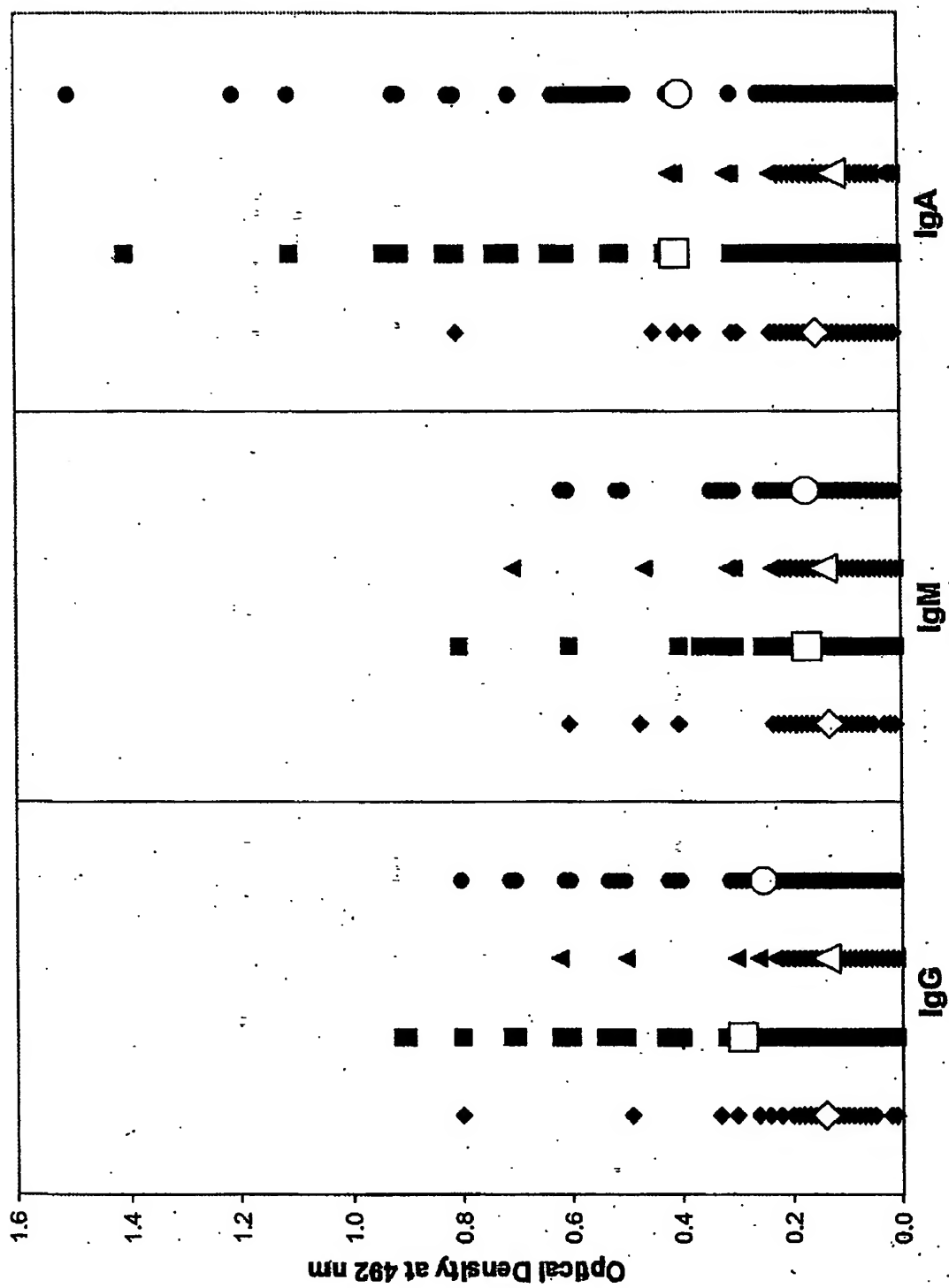


FIGURE 18

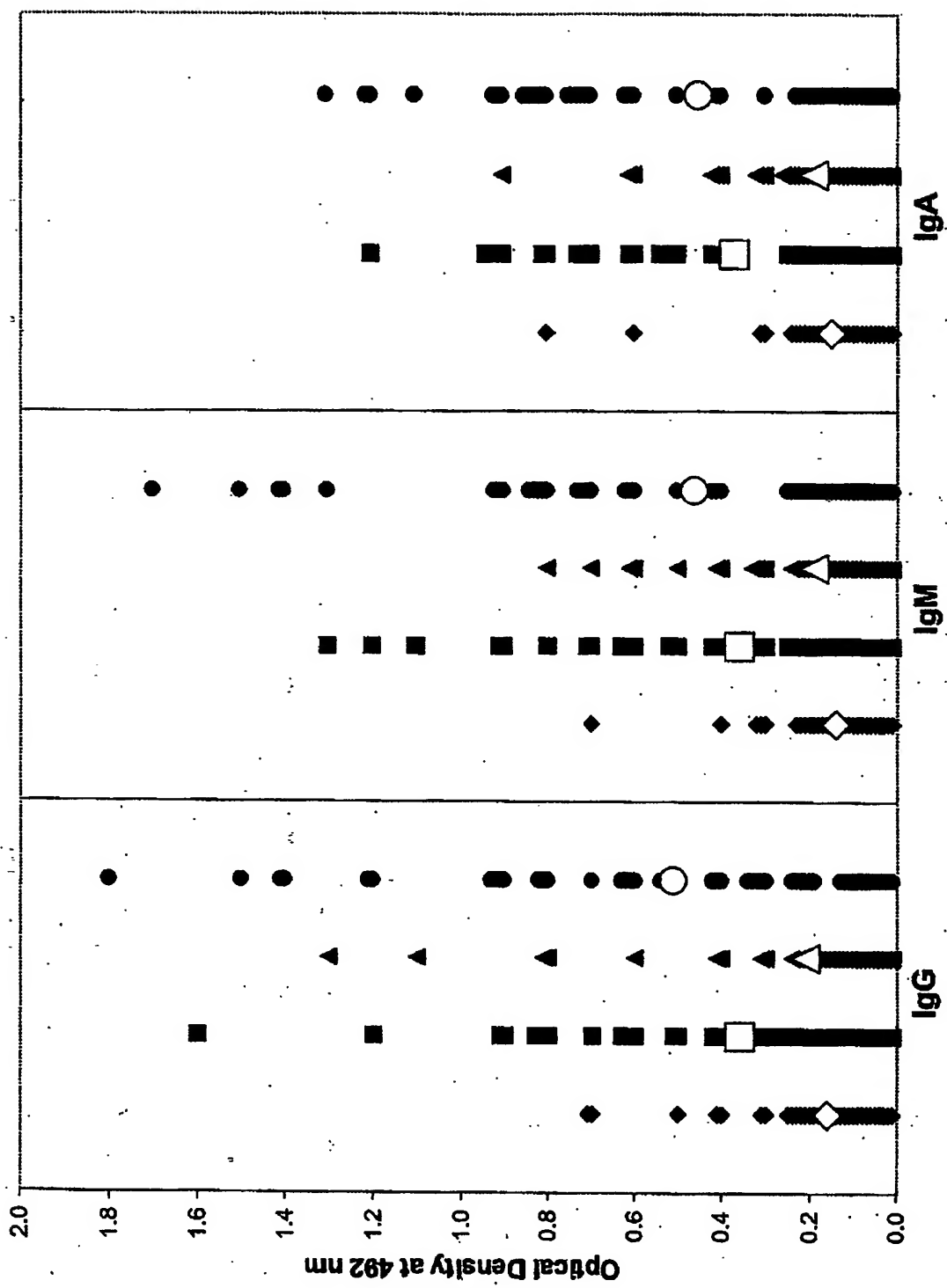


FIGURE 19

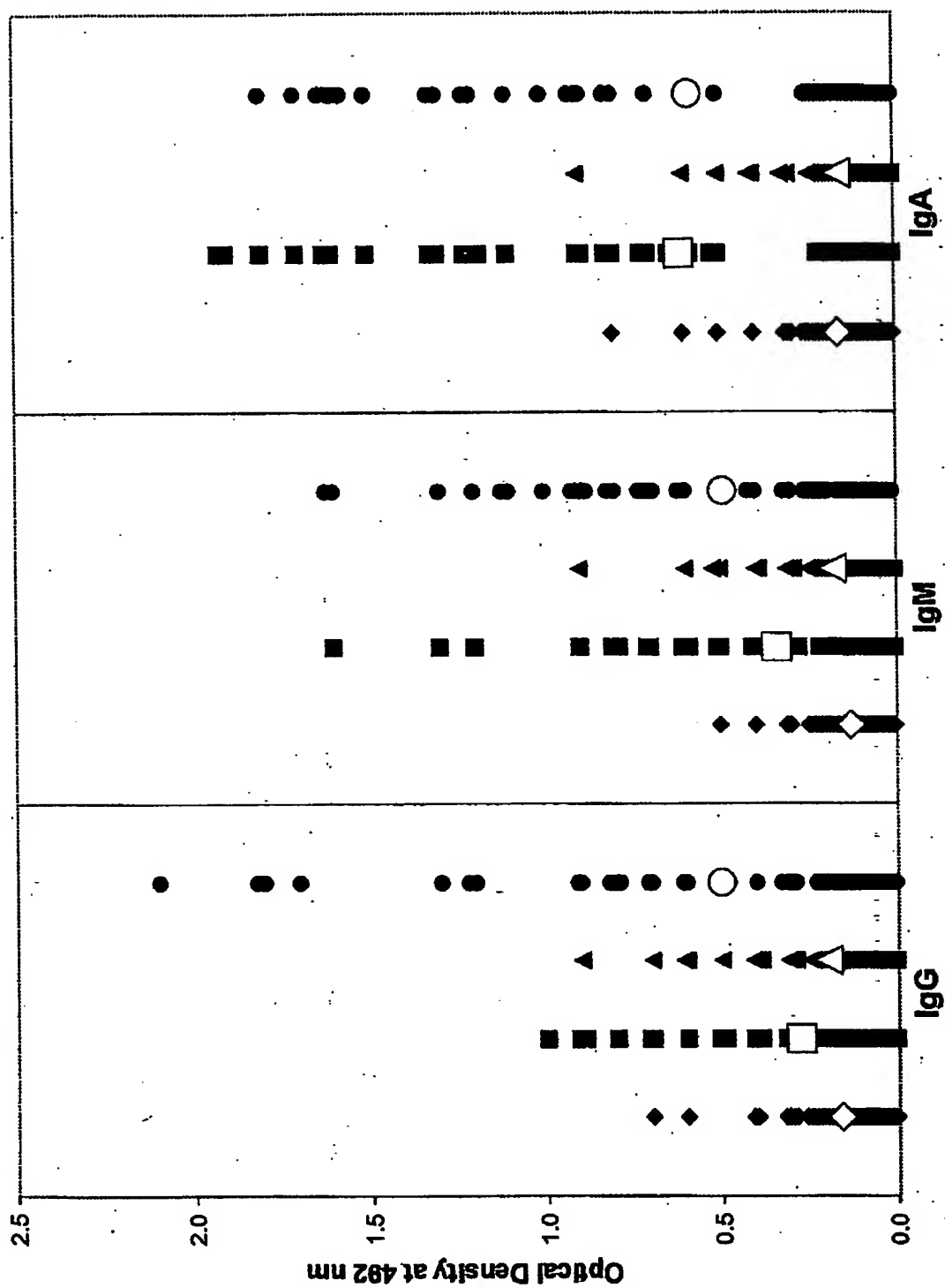


FIGURE 20

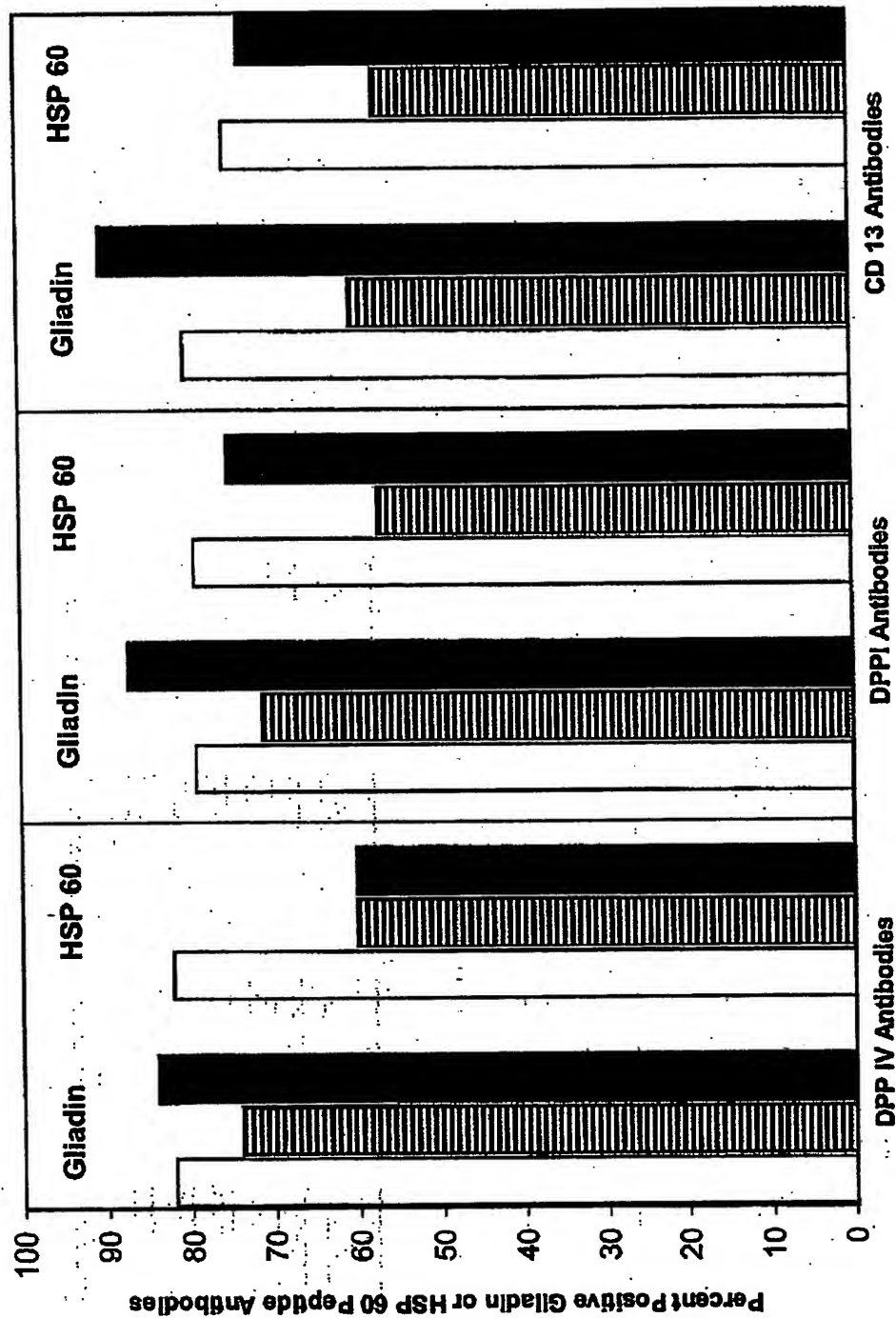


FIGURE 21

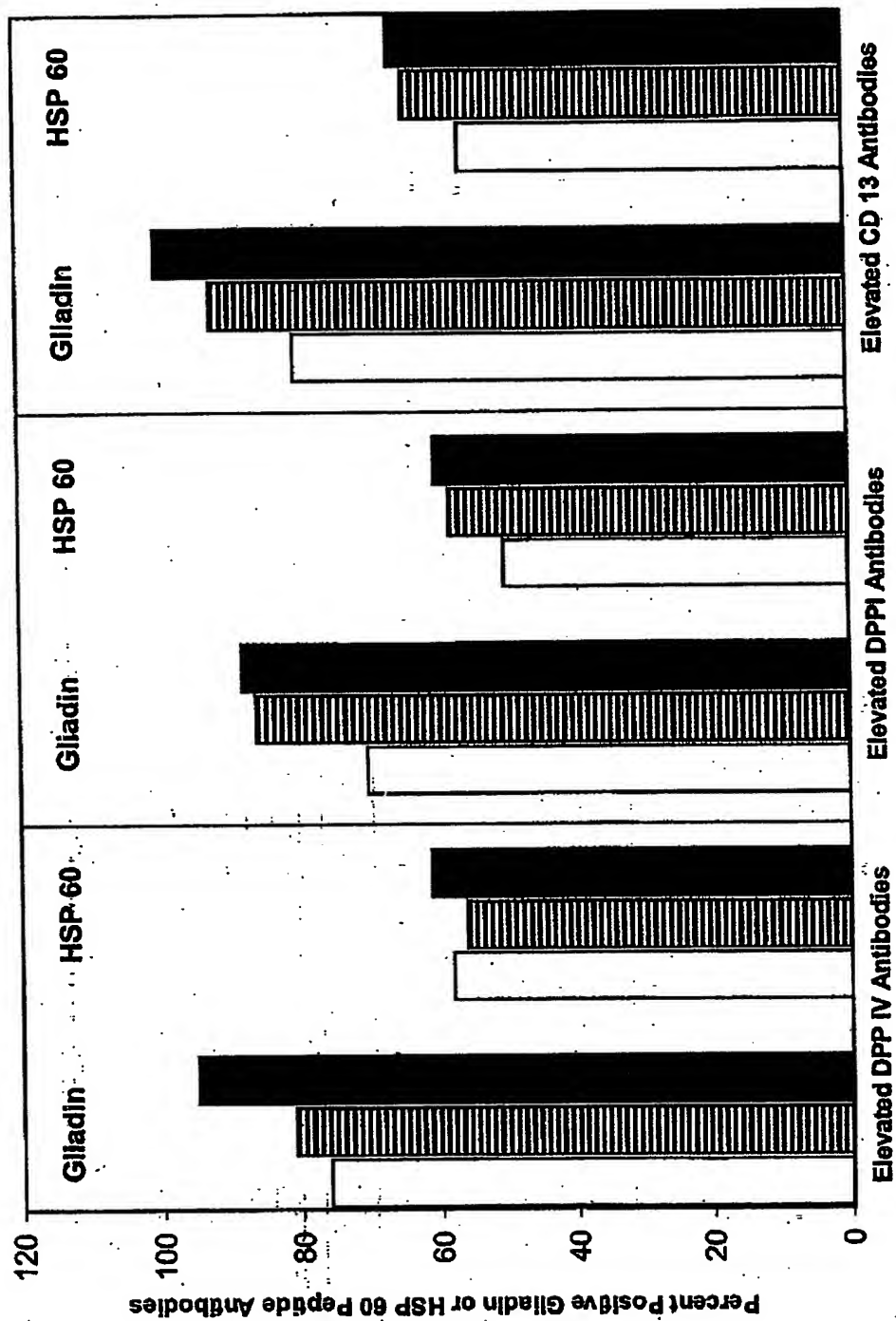


FIGURE 22